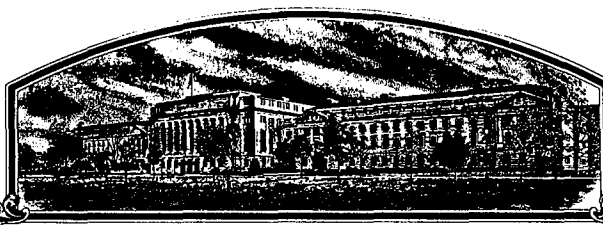


No.

9000126



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME;

Holden's Foundation Seeds, Inc.

Whereas, THERE HAS BEEN PRESENTED TO THE
Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF *eighteen* YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT (T. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

CORN

'LH202'

In Testimony Whereof, I have hereunto set
my hand and caused the seal of the Plant
Variety Protection Office to be affixed
at the City of Washington, D. C.
this 28th day of June in
the year of our Lord one thousand nine
hundred and ninety-one.

Attest:

Kenneth F. Egan
Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

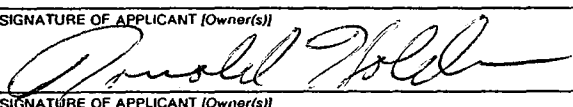
Ed Madigan
Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions on reverse)

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) (as it is to appear on the Certificate)		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NO.	3. VARIETY NAME
Holden's Foundation Seeds, Inc.		Ex1176	LH202
4. ADDRESS (street and no. or R.F.D. no., city, state, and ZIP)		5. PHONE (Include area code)	FOR OFFICIAL USE ONLY VPPO NUMBER 9000126 F I L I N G Date Mar. 23, 1990 Time <input type="checkbox"/> A.M. <input type="checkbox"/> P.M. F E E S Filing and Examination Fee: \$2150. - Date Mar. 23, 1990 R E C E I V E D Certificate Fee: \$ 250. 00 Date June 17, 1991
P.O. Box 839 201 North Maplewood Avenue Williamsburg, Iowa 52361		319-668-1100	
6. GENUS AND SPECIES NAME	7. FAMILY NAME (Botanical)		
Zea mays	Gramineae		
8. CROP KIND NAME (Common Name)		9. DATE OF DETERMINATION	
Corn, Field		November 1987	
10. IF THE APPLICANT NAMED IS NOT A "PERSON," GIVE FORM OF ORGANIZATION (Corporation, partnership, association, etc.)			
Corporation			
11. IF INCORPORATED, GIVE STATE OF INCORPORATION		12. DATE OF INCORPORATION	
Iowa		1968	
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS			
Mr. Mark Armstrong P.O. Box 839 Williamsburg, IA 52361 PHONE (Include area code): 319-668-1100			
14. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow INSTRUCTIONS on reverse)			
a. <input checked="" type="checkbox"/> Exhibit A, Origin and Breeding History of the Variety.			
b. <input checked="" type="checkbox"/> Exhibit B, Novelty Statement.			
c. <input checked="" type="checkbox"/> Exhibit C, Objective Description of Variety.			
d. <input checked="" type="checkbox"/> Exhibit D, Additional Description of Variety.			
e. <input checked="" type="checkbox"/> Exhibit E, Statement of the Basis of Applicant's Ownership.			
f. <input checked="" type="checkbox"/> Seed Sample (2,500 viable untreated seeds). Date Seed Sample mailed to Plant Variety Protection Office 3/21/90.			
g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$2,150) made payable to "Treasurer of the United States."			
15. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED? (See section 83(a) of the Plant Variety Protection Act.)			
<input type="checkbox"/> YES (If "YES," answer items 16 and 17 below) <input checked="" type="checkbox"/> NO (If "NO," skip to item 18 below)			
16. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?		17. IF "YES" TO ITEM 16, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED?	
<input type="checkbox"/> YES <input type="checkbox"/> NO		<input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED	
18. DID THE APPLICANT(S) PREVIOUSLY FILE FOR PROTECTION OF THE VARIETY IN THE U.S.?			
<input type="checkbox"/> YES (If "YES," through <input type="checkbox"/> Plant Variety Protection Act <input type="checkbox"/> Patent Act. Give date: _____) <input checked="" type="checkbox"/> NO			
19. HAS THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETING IN THE U.S. OR OTHER COUNTRIES?			
<input type="checkbox"/> YES (If "YES," give names of countries and dates) <input checked="" type="checkbox"/> NO			
20. The applicant(s) declare(s) that a viable sample of basic seeds of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable.			
The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in section 41, and is entitled to protection under the provisions of section 42 of the Plant Variety Protection Act.			
Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.			
SIGNATURE OF APPLICANT [Owner(s)]		CAPACITY OR TITLE	DATE
		President	3/21/90
SIGNATURE OF APPLICANT [Owner(s)]		CAPACITY OR TITLE	DATE

Origin and Breeding History of the Inbred

Exhibit A

LH202 was developed from the single cross A662 x B73. This cross was selfed once and then backcrossed twice with B73. After the backcrossing was complete, the combination A662 x B73S1(B73²) was then selfed for six generations and the pedigree system of plant breeding was used. Please note the original cross A662 x B73 was obtained from the University of Minnesota. A662 (formerly A68-5) was developed and released to the public by the University of Minnesota. B73 was developed and released to the public by Iowa State University. On the following page is a schematic description of the development of LH202. Also included are copies of pages from Holden's Foundation Seed, Inc. nursery books. The rows associated with the development of LH202 have been highlighted.

Attached is a statement from the originating plant breeder, Richard Miller, stating that the line is stable, uniform and free of variance from within the population.

Origin and Breeding History of the Inbred
LH202 = Ex1176 = A662 x B73 S1)(B73

<u>Row/Field</u>	<u>Pedigree</u>	<u>Location</u>	<u>Year</u>
Jones Field	LH202	Iowa	1989
Jones Field	LH202	Iowa	1988
Adolpho	LH202	Hawaii	1987-88
6434-6443	Ex1176	Iowa	1985
15412	A662 x B73 S1)(B73) ² @6	Iowa	1984
4164	A662 x B73 S1)(B73) ² @5	Minnesota	1983
15382	A662 x B73 S1)(B73) ² @4	Hawaii	1982-83
20974	A662 x B73 S1)(B73) ² @3	Iowa	1982
11300	A662 x B73 S1)(B73) ² @2	Hawaii	1981-82
1456	A662 x B73 S1)(B73) ² @1	Iowa	1981
1380	A662 x B73 S1)(B73) ²	Hawaii	1980-81
2222	A662 x B73 S1)(B73	Iowa	1980
9052-9070	A662 x B73 @1	Iowa	1978
9071	B73	Iowa	1978
5355-5357	A662 x B73	Hawaii	1977-78
616	B73	University of Minnesota	1974
749	*A68-5	University of Minnesota	1974

*A68-5 is the former designation of A662

Uniformity Statement

I have observed LH202 during the last four generations it has been increased, 1985 Iowa nursery rows 6434-6443, 1987-88 Hawaii production Adolpho Field, 1988 Iowa production Jones Field and 1989 Iowa production Jones Field. In each of these increases, seeds from the previous generation were planted. The corn inbred line LH202 is uniform, stable and free of variance from within the population.



Richard J. Miller
Plant Breeder

Novelty Statement

Exhibit B

LH202 most closely resembles LH149, however the most distinguishing characteristic is the glume. LH202 has a solid green colored glume while the glume of LH149 is green with a distinctive red ring at the base of the glume. This difference can be seen in the photograph below.

The glume color of LH202 is green with a purple stripe under lush favorable growing conditions. However, under heat or drought stress, the purple markings on the glume are absent. A red ring is not found at the base of the LH202 glume.

JMS 5/29/91
from appli
letter of 5/6

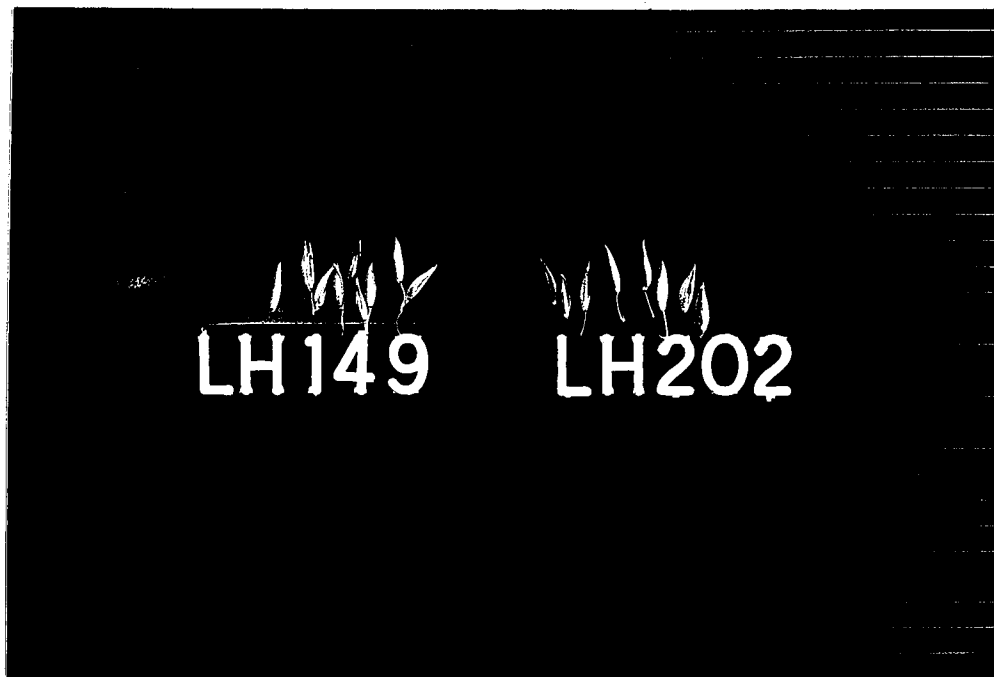


Exhibit B (continued)

Glume Coloring of LH202 and LH149



FORM GR-470-28
(2-15-74)UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION
HYATTSVILLE, MARYLAND 20782EXHIBIT C
(Corn)OBJECTIVE DESCRIPTION OF VARIETY
CORN (ZEA MAYS)

NAME OF APPLICANT(S) Holden's Foundation Seeds, Inc.	FOR OFFICIAL USE ONLY
ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) 201 N. Maplewood Avenue P.O. Box 389 Williamsburg, Iowa 52361	PVPO NUMBER 9000126 VARIETY NAME OR TEMPORARY DESIGNATION LH202

Place the appropriate number that describes the varietal character of this variety in the boxes below.
Place a zero in first box (e.g., 0 8 9 or 0 9) when number is either 99 or less or 9 or less.

1. TYPE:

2

1 = SWEET 2 = DENT 3 = FLINT 4 = FLOUR 5 = POP 6 = ORNAMENTAL

2. REGION WHERE BEST ADAPTED IN THE U.S.A.:

7

1 = NORTHWEST 2 = NORTHCENTRAL 3 = NORTHEAST 4 = SOUTHEAST
5 = SOUTHCENTRAL 6 = SOUTHWEST 7 = MOST REGIONS

3. MATURITY (In Region of Best Adaptability):

(Under "comments" (pg. 3) state how heat units were calculated)

7 6

DAYS FROM EMERGENCE TO 50% OF PLANTS IN SILK

1 3 1 4

HEAT UNITS

0 0

DAYS FROM 50% SILK TO OPTIMUM EDIBLE QUALITY

0 0 0 0

HEAT UNITS

0 0

DAYS FROM 50% SILK TO HARVEST AT 25% KERNEL MOISTURE

0 0 0 0

HEAT UNITS

4. PLANT:

2 2 7

CM. HEIGHT (To tassel tip)

0 9 8

CM. EAR HEIGHT (To base of top ear)

1 6

CM. LENGTH OF TOP EAR INTERNODE

Number of Tillers:

1

1 = NONE 2 = 1-2 3 = 2-3 4 = > 3

Number of Ears Per Stalk:

2

1 = SINGLE 2 = SLIGHT TWO-EAR TENDENCY
3 = STRONG TWO-EAR TENDENCY 4 = THREE-EAR TENDENCY

Cytoplasm Type:

1

1 = NORMAL 2 = "T" 3 = "S" 4 = "C" 5 = OTHER (Specify) _____

5. LEAF (Field Corn Inbred Examples Given):

Color: 5GY 4/4 Munsell Color Charts for Plant Tissues

1

1 = LIGHT GREEN (HY) 2 = MEDIUM GREEN (WF9) 3 = DARK GREEN (B14) 4 = VERY DARK GREEN (K166)

Angle from Stalk (Upper half):

1

1 = < 30° 2 = 30-60° 3 = > 60°

Sheath Pubescence:

2

1 = LIGHT (W22) 2 = MEDIUM (WF9)
3 = HEAVY (OH26)

Marginal Waves:

2

1 = NONE (HY) 2 = FEW (WF9) 3 = MANY (OH7L)

Longitudinal Creases:

2

1 = ABSENT (OH51) 2 = FEW (OH56A)
3 = MANY (PA11)

Width:

1 0

CM. WIDEST POINT OF EAR NODE LEAF

Length:

0 7 9

CM. EAR NODE LEAF

1 2

NUMBER OF LEAVES PER MATURE PLANT

6. TASSEL:

0 8

NUMBER OF LATERAL BRANCHES

Branch Angle from Central Spike:

2

1 = < 30°

2 = 30-40°

3 = > 45°

Penduncle Length:

1 0

CM. FROM TOP LEAF TO BASAL BRANCHES

Pollen Shed:

2

1 = LIGHT (WF9)

2 = MEDIUM

3 = HEAVY (KY21)

4

Anther Color:

1 = YELLOW

2 = PINK

3 = RED

4 = PURPLE

5 = GREEN

6

Glume Color:

6 = OTHER (Specify) green with purple stripe

Pollen Restoration for Cytoplasm (0 = Not Tested, 1 = Partial, 2 = Good)

0

"T"

0

"S"

0

"C"

0

OTHER (Specify Cytoplasm and degrees of restoration) _____

7. EAR (Husked Ear Data Except When Stated Otherwise):

1 5

CM LENGTH

5 0

MM. MID-POINT
DIAMETER

1 2 9

GM. WEIGHT

Kernel Rows:

2

1 = INDISTINCT

2 = DISTINCT

1 8

NUMBER

1

1 = STRAIGHT

2 = SLIGHTLY CURVED

3 = SPIRAL

Silk Color (Exposed at Silking Stage):

1

1 = GREEN

2 = PINK

3 = SALMON

4 = RED

Husk Color:

1

FRESH

1 = LIGHT GREEN

2 = DARK GREEN

3 = PINK

6

DRY

4 = RED

5 = PURPLE

6 = BUFF

Husk Extention: (Harvest Stage)

2

1 = SHORT (Ears Exposed) 2 = MEDIUM (Barely Covering Ear)
3 = LONG (8-10CM Beyond Ear Tip)
4 = VERY LONG (> 10 CM)

Husk Leaf: "Rabbit Ears" are present on the husk

1

1 = SHORT (< 8 CM) 2 = MEDIUM (8-15 CM)
3 = LONG (> 15 CM)

Shank:

1 5

CM LONG

8

NO. OF INTERNODES

Position at Dry Husk Stage:

1

1 = UPRIGHT

2 = HORIZONTAL

3 = PENDENT

Taper:

1

1 = SLIGHT

2 = AVERAGE

3 = EXTREME

Drying Time (Unhusked Ear):

1

1 = SLOW

2 = AVERAGE

3 = FAST

8. KERNEL (Dried):

Size (From Ear Mid-Point):

1 2

MM LONG

0 7

MM. WIDE

0 4

MM. THICK

Shape Grade (% Rounds)

3

1 = < 20

2 = 20-40

3 = 40-60

4 = 60-80

5 = > 80

8. KERNEL (Dried) :

<input type="text" value="1"/>	Pericarp Color:	1 = COLORLESS	2 = RED-WHITE CROWN	3 = TAN	4 = BRONZE
		5 = BROWN	6 = LIGHT RED	7 = CHERRY RED	
		8 = VARIEGATED (Describe) _____			

<input type="text" value="1"/>	Aleurone Color:	1 = HOMOZYGOUS	2 = SEGREGATING (Describe) _____		
--------------------------------	-----------------	----------------	----------------------------------	--	--

<input type="text" value="1"/>	1 = WHITE	2 = PINK	3 = TAN	4 = BROWN	5 = BRONZE	6 = RED
	7 = PURPLE	8 = PALE PURPLE	9 = VARIEGATED (Describe) _____			

<input type="text" value="3"/>	Endosperm Color:	1 = WHITE	2 = PALE YELLOW	3 = YELLOW	4 = PINK-ORANGE	5 = WHITE CAP.
--------------------------------	------------------	-----------	-----------------	------------	-----------------	----------------

Endosperm Type:

<input type="text" value="3"/>	1 = SWEET (su1)	2 = EXTRA SWEET (sh2)	3 = NORMAL STARCH	4 = HIGH AMYLOSE STARCH
	5 = WAXY STARCH	6 = HIGH PROTEIN	7 = HIGH LYSINE	8 = OTHER (Specify) _____

<input type="text" value="2"/>	<input type="text" value="5"/>	GM. WEIGHT /100 SEEDS (Unsize Sample)
--------------------------------	--------------------------------	---------------------------------------

9. COB:

<input type="text" value="3"/>	<input type="text" value="4"/>	MM. DIAMETER AT MID-POINT
--------------------------------	--------------------------------	---------------------------

Strength:

<input type="text" value="2"/>	1 = WEAK	2 = STRONG
--------------------------------	----------	------------

Color:

<input type="text" value="3"/>	1 = WHITE	2 = PINK	3 = RED	4 = BROWN
	5 = VARIEGATED	6 OTHER (Specify) _____		

10. DISEASE RESISTANCE (0 = Not Tested, 1 = Susceptible, 2 = Resistant):

<input type="text" value="0"/>	STALK ROT (Diplodia)	<input type="text" value="0"/>	STALK ROT (Fusarium)	<input type="text" value="0"/>	STALK ROT (Gibberella)
<input type="text" value="2"/>	NORTHERN LEAF BLIGHT - <i>Race 1</i>	<input type="text" value="0"/>	SOUTHERN LEAF BLIGHT	<input type="text" value="0"/>	SMUT
<input type="text" value="0"/>	SOUTHERN RUST	<input type="text" value="0"/>	CORN SMUT	<input type="text" value="0"/>	BACTERIAL WILT
<input type="text" value="0"/>	BACTERIAL LEAF BLIGHT	<input type="text" value="0"/>	MAIZE DWARF MOSAIC	<input type="text" value="0"/>	STUNT
<input type="text" value="0"/>	OTHER (Specify) _____				

11. INSECT RESISTANCE (0 = Not Tested, 1 = Susceptible, 2 = Resistant):

<input type="text" value="0"/>	CORNBORER	<input type="text" value="0"/>	EARWORM	<input type="text" value="0"/>	SAPBEETLE	<input type="text" value="0"/>	APHID
<input type="text" value="0"/>	ROOTWORM (Northern)	<input type="text" value="0"/>	ROOTWORM (Western)				
<input type="text" value="0"/>	ROOTWORM (Southern)	<input type="text" value="0"/>	OTHER (Specify) _____				

12. VARIETIES MOST CLOSELY RESEMBLING THAT SUBMITTED FOR THE CHARACTERS GIVEN:

CHARACTER	VARIETY	CHARACTER	VARIETY
Maturity	LH145Ht	Kernel Type	LH149
Plant Type	LH149	Quality (Edible)	
Ear Type	LH149	Usage	LH149

REFERENCES:

U.S. Department Agriculture. Yearbook 1937.

Corn: Culture, Processing, Products. 1970 Avi Publishing Company, Westport, Connecticut. (Numerous (Authors)

Emerson, R.A., G.W. Beadle, and A.C. Fraser. A Summary of Linkage Studies in Maize, Cornell A.E.S., Mem. 180. 1935.

The Mutants of Maize. 1968. Crop Science Society of America. Madison, Wisconsin.

Stringfield, G.H. Maize Inbred Lines of Ohio, Ohio A.E.S. Bul. 831. 1959.

Butler, D.R. 1954 - A System for the Classification of Corn Inbred Lines - PhD. Thesis, Ohio State University.

COMMENTS:

$$GDD = \frac{T_{max} + T_{min}}{2} - 50^{\circ}F$$

$$T_{max} \leq 86^{\circ}F$$

$$T_{min} \geq 50^{\circ}F$$

Additional Description of the Inbred

Exhibit D

LH202 is taller in plant and ear height than LH149. LH202 measures 227 centimeters in plant height and 98 centimeters in ear height. LH149 measures 194 centimeters in plant height and 83 centimeters in ear height.

JMS
5/29/91
The tassel branch angle of LH202 is more upright (30° - 40°), while the tassel branch angle of LH149 is more open (greater than 45°). *There are purple streaks on the pericarp of the LH202 kernel.*

Leaves are present on the green husk of LH202. These leaves are not very long and are sometimes referred to as "rabbit ears." These leaves are not present on the husk of LH149. This characteristic can be seen in the photograph below.

LH202 flowers slightly earlier than LH145Ht. LH202 combines very well with LH82 and LH93 and exhibits good general combining ability. LH202 contributes high yields, good stalks, slow drydown and average roots in hybrid combinations. LH202 is a very good female.

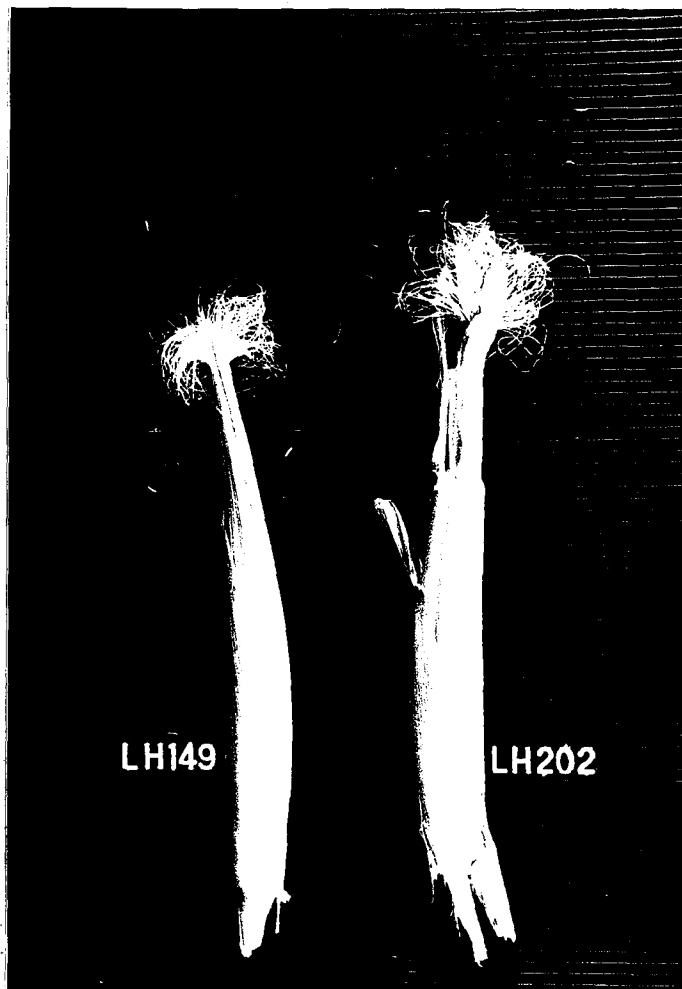
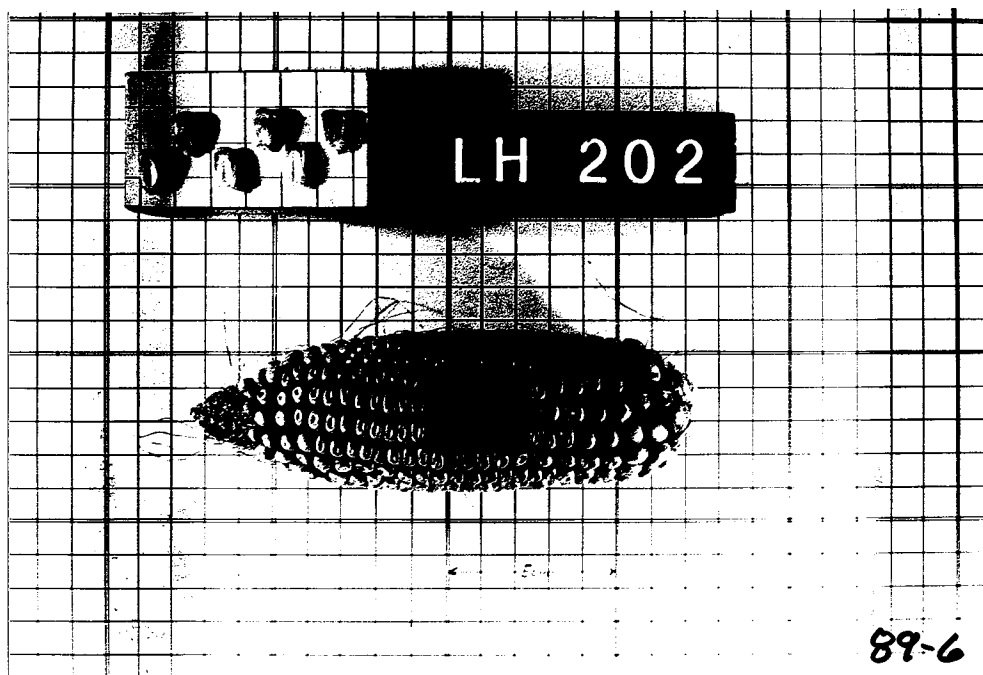


Exhibit D continued



LH202 vs LH149: Plant Height 1989

TOTAL OBSERVATIONS: 180

	LH202	LH149
N OF CASES	180	180
MEAN	225.644	193.844
VARIANCE	227.515	122.590
STANDARD DEV	15.084	11.072

PAIRED SAMPLES T-TEST ON LH202 VS LH149
WITH 180 CASES

MEAN DIFFERENCE = 31.800
SD DIFFERENCE = 18.676
T = 22.844 DF = 179 PROB = 0.000

LH202 vs. LH149 : Ear Height 1989

TOTAL OBSERVATIONS: 179

	LH202	LH149
N OF CASES	179	179
MEAN	100.201	82.078
VARIANCE	63.611	48.837
STANDARD DEV	7.976	6.988

PAIRED SAMPLES T-TEST ON LH202 VS LH149
WITH 179 CASES

MEAN DIFFERENCE = 18.123
SD DIFFERENCE = 10.976
T = 22.091 DF = 178 PROB = 0.000

LH202 vs LH149: Tassel Branch Angle 1989

TOTAL OBSERVATIONS: 39

	LH202	LH149
N OF CASES	39	39
MEAN	30.513	53.897
VARIANCE	11.730	15.410
STANDARD DEV	3.425	3.926

PAIRED SAMPLES T-TEST ON LH202 VS LH149
WITH 39 CASES

MEAN DIFFERENCE = -23.385
SD DIFFERENCE = 4.875
T = -29.954 DF = 38 PRDB = 0.000

LH202 vs LH149: Plant Height 1990

TOTAL OBSERVATIONS: 33

	LH202	LH149
N OF CASES	33	33
MEAN	204.394	193.303
VARIANCE	73.559	161.718
STANDARD DEV	8.577	12.717

PAIRED SAMPLES T-TEST ON LH202 VS LH149
WITH 33 CASES

MEAN DIFFERENCE = 11.091
SD DIFFERENCE = 10.637
T = 5.990 DF = 32 PROB = 0.000

LH202 vs LH149: Ear Height 1990

TOTAL OBSERVATIONS: 33

	LH202	LH149
N OF CASES	33	33
MEAN	77.030	67.121
VARIANCE	29.718	92.360
STANDARD DEV	5.451	9.610

PAIRED SAMPLES T-TEST ON LH202 VS LH149
WITH 33 CASES

MEAN DIFFERENCE = 9.909
SD DIFFERENCE = 11.251
T = 5.059 DF = 32 PROB = 0.000

LH202 vs LH149: Tassel Branch Angle 1990

TOTAL OBSERVATIONS: 15

	LH202	LH149
N OF CASES	15	15
MEAN	31.000	51.933
VARIANCE	10.429	33.067
STANDARD DEV	3.229	5.750

PAIRED SAMPLES T-TEST ON LH202 VS LH149
WITH 15 CASES

MEAN DIFFERENCE = -20.933
SD DIFFERENCE = 6.364
T = -12.740 DF = 14 PROB = 0.000

Exhibit E

STATEMENT OF THE BASIS OF APPLICANT OWNERSHIP

Holden's Foundation Seeds, Inc., Williamsburg, Iowa, is the sole owner and breeder of the LH202 corn inbred line for which it solicits a certificate of protection.